## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

## Listing of Claims:

1	1. (Currently Amended) A method of detecting a DNA in a <u>crude</u> milk				
2	sample, said method comprising the steps of:				
3	(a) contacting said crude milk sample with a metal ion chelator;				
4	(b) contacting said <u>crude</u> milk sample with a detergent;				
5	(c) contacting said crude milk sample with a fluorescent label; and				
6	(d) after steps (a), and (b), and (c), detecting said DNA fluorescent label in				
7	said crude milk sample thereby detecting the DNA in said crude milk sample.				
1	2. (Original) The method of claim 1, wherein no protease is added to said	i			
2	milk sample.				
1	3. (Original) The method of claim 1, wherein said detecting said DNA is				
2	quantitating said DNA, thereby determining the somatic cell count within the milk sample.				
1	4. (Original) The method of claim 3, wherein said milk sample is a crude	:			
2	bovine milk sample.				
1	5. (Original) The method of claim 1, wherein said metal ion chelator is a				
2	member selected from the group of EDTA, CyDTA, DHEG, DTPA-OH, DTPA, EDDA,				
3	EDDP, EDDPO, EDTA-OH, EDTPO, EGTA, HBED, HDTA, HIDA, IDA, Methyl-EDTA,				
4	NTA, NTP, NTPO, O-Bistren, and TTHA, o-phenanthroline, dipicolinic acid, and				
5	deferoxamine.				
I	6. (Original) The method of claim 1, wherein said metal ion chelator is				
2	EDTA.				
1	7. (Original) The method of claim 1, wherein said detergent is a non-ion	ic			
2	detergent.				

(Original) The method of claim 7, wherein said non-ionic detergent is a 8. 1 member selected from the group of Octylglucoside, Digitonin, C12E8, Lubrol, Triton X-100, 2 Nonidet P-40, Tween-80, Tween-20, BRIG 35, Dodecyl maltopyranoside, Heptyl 3 thioglucopyranoside, Pluronic F-127, Genapol X-080, MEGA 10. 4 (Original) The method of claim 1, wherein said detergent is Tween-20. 9. 1 (Cancelled) 10. 1 (Original) The method of claim 1, wherein the pH of the milk sample 11. 1 is between 8.0 and 11.0, inclusive. 2 (Currently Amended) An analytical composition comprising a crude 1 12. milk sample, a metal ion chelator, a fluorescent label, and a detergent, wherein said crude 2 3 milk sample comprises a nucleic acid. (Cancelled). 13. 1 (Original) The composition of claim 12, wherein said nucleic acid is a 14. 1 2 DNA. 15. (Cancelled). 1 (Original) The composition of claim 12, wherein said composition 1 16. 2 does not include a protease. (Original) The composition of claim 12, wherein said metal ion 17. 1 chelator is a member selected from the group of EDTA, CyDTA, DHEG, DTPA-OH, DTPA, 2 EDDA, EDDP, EDDPO, EDTA-OH, EDTPO, EGTA, HBED, HDTA, HIDA, IDA, Methyl-3 EDTA, NTA, NTP, NTPO, O-Bistren, and TTHA, o-phenanthroline, dipicolinic acid, and 4 5 deferoxamine. (Original) The composition of claim 12, wherein said metal ion 18. 1 2 chelator is EDTA. (Original) The composition of claim 12, wherein said detergent is a 19. 1 2 non-ionic detergent.

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1	2	20.	(Original) The composition of claim 19, wherein said non-ionic		
2	detergent is a member selected from the group of Octylglucoside, Digitonin, C12E8, Lubrol,				
3	Triton X-100, Nonidet P-40, Tween-80, Tween-20, BRIG 35, Dodecyl maltopyranoside,				
4	Heptyl thioglucopyranoside, Pluronic F-127, Genapol X-080, MEGA 10.				
1	2	21.	(Original) The composition of claim 12, wherein said detergent		
2	Tween-20.				
1		22.	(Currently Amended) A kit for detecting a nucleic acid in a <u>crude</u> milk		
2	sample comprising a metal ion chelator, a detergent, and a detectable fluorescent label DNA				
3	<del>probe</del> .				
1	,	23.	(Original) The kit of claim 22 further comprising a fluorescence		
2	detection system.				
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